

CLAIMS:

1. A method of composing an image [IM], the method comprising a step of mapping [MAP] a set of image sample values [SV] from a departure space [DEP] to an arrival space [ARR] in accordance with a geometrical transformation [T], the method comprising the steps of

- 5 - computing a zone in the departure space [ITL] by applying the inverse geometrical transformation [T^{-1}] to a zone in the arrival space [TL] covering a group of image samples;
- establishing a group of input values [IV] for the zone in the departure space [ITL], the group of input values [IV] comprising Boolean values [BV], a Boolean input value
- 10 having a certain position (x_d, y_d) in the departure space and designating the other values having the same position as being non-valid if the position is outside the set of image sample values;
- composing the group of image samples [TL] from the group of input values [IV], the Boolean values [BV] preventing the input values designated as being non-valid
- 15 from contributing to an image sample.

2. A device for composing an image [IM], the composition comprising a step of mapping [MAP] a set of image sample values [SV] from a departure space [DEP] to an arrival space [ARR] in accordance with a geometrical transformation [T], the device being

20 arranged to perform the steps of

- computing a zone in the departure space [ITL] by applying the inverse geometrical transformation [T^{-1}] to a zone in the arrival space [TL] covering a group of image samples;
- establishing a group of input values [IV] for the zone in the departure space
- 25 [ITL], the group of input values [IV] comprising Boolean values [BV], a Boolean input value having a certain position (x_d, y_d) in the departure space and designating the other values having the same position as being non-valid if the position is outside the set of image sample values;

- composing the group of image samples [TL] from the group of input values [IV], the Boolean values [BV] preventing the input values designated as being non-valid from contributing to an image sample.

5 3. A computer program product for an image composition device, the computer program product comprising a set of instructions which, when loaded into the image composition device, cause the device to map [MAP] a set of image sample values [SV] from a departure space [DEP] to an arrival space [ARR] in accordance with a geometrical transformation [T] by performing the steps of

10 - computing a zone in the departure space [ITL] by applying the inverse geometrical transformation [T^{-1}] to a zone in the arrival space [TL] covering a group of image samples;

- establishing a group of input values [IV] for the zone in the departure space [ITL], the group of input values [IV] comprising Boolean values [BV], a Boolean input value
15 having a certain position (x_d, y_d) in the departure space and designating the other values having the same position as being non-valid if the position is outside the set of image sample values;

- composing the group of image samples [TL] from the group of input values [IV], the Boolean values [BV] preventing the input values designated as being non-valid
20 from contributing to an image sample.

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